

What is claimed is:

1. A gas-insulated switchgear comprising:  
a tank filled with an electrically insulating gas;  
first and second conductors disposed within said tank;  
a disconnecter for disconnecting said first conductor and said second conductor from each other; and

a grounding switch for grounding said first conductor when said disconnecter is in an open position; wherein

said disconnecter includes a first and second fixed electrode disposed on said first and second conductors, respectively, a bridging movable electrode that is always maintained in contact with said first electrode and that is slidably movable for contacting with and separating from said second fixed electrode to connect and disconnect said first and second fixed electrodes, and an operating mechanism for opening and closing operation of said movable electrode;

said grounding switch includes said bridging movable electrode which is in contact with said first contact, and a third fixed grounding electrode disposed to said tank capable of contacting with said movable electrode when said movable electrode is separated from said second electrode; and wherein

said operating mechanism is provided with an electrically insulating operating rod extending through said first fixed electrode in the direction of movement of said movable electrode.

2. A gas-insulated switchgear as claimed in claim 1, wherein said movable electrode is an elongated member having an axis extending at substantially at right angles relative to said first conductor, said first fixed electrode is annular in shape surrounding a circumferential surface of said movable electrode, and the axis of said insulating operating rod is substantially aligned with said axis of said movable electrode.

3. A gas-insulated switchgear as claimed in claim 1, wherein said disconnecter and said grounding switch are provided with insulation supports supporting said first and second fixed electrodes and said movable electrode, and are supported only by a flange closing the open end of said tank.

4. A gas-insulated switchgear as claimed in claim 1, wherein the

sections of said disconnecter and said grounding switch to be accommodated within said tank are in a size smaller than the open end of said tank so that said disconnecter and said grounding switch can be altogether introduced into said tank as being assembled on said flange.

5. A gas-insulated switchgear as claimed in claim 1, wherein said first fixed electrode is provided with a disconnecter contacting section facing to said second fixed electrode and a grounding switch contacting section facing to said third fixed electrode as separate members.

6. A gas-insulated switchgear as claimed in claim 1, wherein said first fixed electrode is provided with a single contacting section that serves as contacting section commonly for said disconnecter wherein said contacting section faces to said second fixed electrode and for said grounding switch wherein said contacting section faces to said third fixed electrode.

7. A gas-insulated switchgear comprising:  
a tank filled with an electrically insulating gas;  
first and second conductors disposed within said tank; and  
a disconnecter disconnecting said first conductor and said second conductor from each other,

wherein said disconnecter includes a first and second fixed electrode disposed on said first and second conductors, respectively, a bridging movable electrode for connecting and disconnecting said first and second fixed electrodes from each other, and an operating mechanism for opening and closing operation of said movable electrode;

said movable electrode is always in contact with said first fixed electrode and capable of contacting with and separating from said second fixed electrode; and wherein

said operating mechanism is provided with an electrically insulating operating rod extending through said first fixed electrode in the direction of movement of said movable electrode.

8. A gas-insulated switchgear as claimed in claim 7, wherein said movable electrode is an elongated member having an axis extending at substantially at right angles relative to said first conductor, said first fixed

electrode is annular in shape surrounding a circumferential surface of said movable electrode, and the axis of said insulating operating rod is substantially aligned with said axis of said movable electrode.

9. A gas-insulated switchgear as claimed in claim 7, wherein said disconnecter is supported within said tank solely by a flange closing an open end of said tank.

10. A gas-insulated switchgear as claimed in claim 7, wherein the dimension of said disconnecter to be accommodated within the tank is smaller than that of an opening of said tank so that said disconnecter can be introduced into said tank as being assembled on said flange.